U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number 10/605,589

Filing Date October 10, 2003

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of \$3.3

Sheet 1

_	•	1
Application Number	10/605,589	
Filing Date	October 10, 2003	
First Named Inventor	OSBORN, Richard G.	
Art Unit	3762	
Examiner Name	Unknown	
Attorney Docket Number	51487-1	フ

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 4,199,754	APR 22 1980	Johnson et al.	
		^{US-} 4,287,509	SEP 1 1981	Beggs	
		^{US-} 4,489,308	DEC 18 1984	Logan, Jr. et al.	
		^{US-} 4,150,302	APR 17 1979	Roche	
		^{US-} 6,045,232	APR 4 2000	Buckmaster	
		^{US-} 4,323,820	APR 6 1982	Teich	
		^{US-} 4,642,477	FEB 10 1987	Grzanowski, Jr. etal	
		^{US-} 6,249,221	JUN 19 2001	Reed	
		^{US-} 5,149,185	SEP 22 1992	Mandy	
		^{US-} 5,365,145	NOV 15 1994	Fields	
		^{US-} 5,426,347	JUN 20 1995	Nilssen	
		^{US-} 5,961,072	OCT 5 1999	Bodle	
		^{US-} 4,148,023	APR 3 1979	Elkin	
		US-5,174,642	DEC 29,1992	Brohard et. al.	
		^{US-} 5,471,114	NOV 28, 1995		
		^{us-} 5, 646 , 486	JUL 8, 1997	Edwardset al.	
		US- 5,947, 208	#SEPT7, 1999		
		US- 5,955,844	Sभ्वार 21,1999	Redgate	
		US- \$5,982,098	NOV 9, 1999	Redgate	

	FORE	IGN PATENT DOCL	JMENTS		
Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	τ°
	CA 1331649	AU 23 1994	Beyersdorf		
<u> </u>					L
					L
	Cite No. ¹	Cite No.1 Country Code3 Number 4 Kind Code5 (if known)	Cite No. 1 Foreign Patent Document Publication Date MM-DD-YYYY Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	No. 1 Date MM-DD-YYYY Country Code ³ "Number 4" Kind Code ⁵ (if known) Date MM-DD-YYYY	Cite No. 1 Foreign Patent Document No. 1 Country Code ³ Number ⁴ Kind Code ⁵ (if known) Publication Date MM-DD-YYYY Name of Patentee or Applicant of Cited Document MM-DD-YYYY Name of Patentee or Applicant of Cited Document Where Relevant Passages Or Relevant Figures Appear

Examiner	Date	
Signature	Considered	1

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPAR IMENT OF COMMERCU

Substitute for form 1449/PTO			t or 1995, no persons ar	Complete if Known			
Substitute for form 1443/FTO				Application Number	10/605,589		
INFORM	MATION	DIS	CLOSURE	Filing Date	October 10, 2003		
STATE	STATEMENT BY APPLICANT			First Named Inventor	OSBORN, Richard G.		
		. 		Art Unit	3762		
(Use as many sheets as necessary)			ecessary)	Examiner Name	Unknown		
Sheet 2		of	3	Attorney Docket Number	51487-1		

		NON PATENT LITERATURE DOCUMENTS					
Examiner Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		ANNE MARIE HELMENSTINE, How Do Smoke Detectors Work? Photoelectric & Ionization Smoke Detectors, www.chemistry.about.com/library/weekly/aa071401a.htm					
		MARSHALL BRAIN, How Smoke Detectors Work, How Stuff Works, www.howstuffworks.com/smoke/htm/printable					
		MARSHALL BRAIN, Inside a Smoke Detector, How Stuff Works, www.hotstuffworks.com/inside-smoke.htm/printable					
		Smoke Detectors For Your Home, The Ohio State University Fact Sheet, Food, Agricultural and Biological Engineering, Family Resource Management Department					
		Smoke Alarm Accessories, Invensys, Firex Accessories, www.icca.invensys.com/firex/accessories.htm					
		Relay, http://www.british-cars.org.uk/kimber/electrical/Basics.htm					
		Smoke Detector Type RM-O/2, Approved by the German Institut for Bautechnik, TROX Technik					

Examiner		Date	
Signature	 1	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

51487-1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid QMB control number. Complete if Known Substitute for form 1449/PTO Application Number 10/605,589 Filing Date October 10, 2003 INFORMATION DISCLOSURE First Named Inventor OSBORN, Richard 6 STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) Examiner Name Unknown

Sheet

Attorney Docket Number

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
			 		igures Appear
		0,000,80	DEC 14,1999	Moveland	
		US- 6 181 067	JAN 30,2001	palton	
		US-			
		US-			
		US-			
		US-			
		US-	 	P	
_		US-	 		
		US-	-		
		US-	ļ		
		US-			
_		US-			
		US-			
		US-			

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages					
		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶				
	ļ									

Examiner Signature	Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.